

Patent Abstracts of Japan

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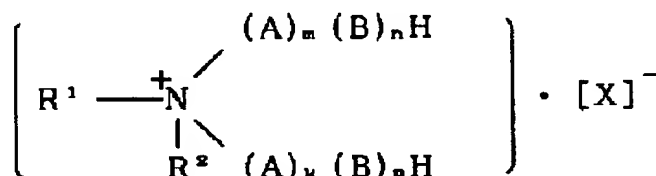
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TITLE : WATER-DISPERSING WATER-AND
OIL-REPELLENT COMPOSITION
HAVING EXCELLENT STABILITY
AGAINST IMPURITY



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject composition composed of a specific fluorine- containing polymer and a mixture of surfactants, capable of exhibiting excellent water-and oil-repellency and free from the loss of water-repellent and oil- repellent functions and the decrease of emulsion stability caused by the existence of a combined supplementary agent and impurities.

SOLUTION: This repellent composition is obtained by dispersing (A) a polymer consisting of a polymer unit of a polyfluoroalkyl-containing (meth)acrylate and (B) a surfactant mixture composed of surfactants consisting of a compound containing a cationic nitrogen and ≥ 5 of oxyalkylene units in a molecule {e.g. a compound of the formula [R¹ is a 6-22C alkyl, a 6-22C acyl, a 6-22C alkenyl, a 6-22C alkyl-substituted phenyl, etc.; R² is H, methyl, benzyl, etc.; [X⁻] is a monovalent anion; A is oxyethylene; B is oxypropylene; (k), (m), (n) and (p) are each 0-20 and the average of the total is 5-40]} (B₁), a nonionic surfactant (B₂) and a cationic surfactant excluding B₁ (B₃) in an aqueous medium.

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